Report No.: 8003-283
Work Assignment No.: 038-2JZZ
Contract No.: 68-W9-0051
October 31, 1994
Rev. No.: 2

RPR
12/28/94

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Mr. Joseph Hudek
Pre-Remedial Work Assignment Manager
U.S. Environmental Protection Agency
Region II - Environmental Services Division
Edison, New Jersey 08837

RE: Golden Road Disposal Hazard Ranking System Screening Letter

Dear Mr. Hudek:

This letter summarizes the results of the Hazard Ranking System (HRS) screening conducted for the Golden Road Disposal Site (GRD), EPA CERCLIS I.D. No. NYD980780753 located on Golden Road in Chili, Monroe County, New York. This screening was conducted to assess the site's potential for inclusion onto the National Priorities List (NPL). The screening was primarily based upon information from a 1992 Phase II Investigation performed for the New York State Department of Environmental Conservation (NYSDEC).

The GRD Site is an eight acre, private parcel of land, that was used as a fill area located in a rural section of Chili. The site is divided into two separate areas (north and south) by railroad tracks. The property is bounded by active railroad tracks to the south, wooded wetlands to the north and west, and is undeveloped to the east. The northern area is open and is currently used as a cow pasture. There are numerous abandoned vehicles, several aboveground storage tanks which contained fuel oil from Chili Fuels, and a metal storage building along the southern border of the northern site section. The storage building belongs to Mr. Fitzsimons, the site's owner, and was used for the general storage, maintenance, and repair of equipment. In addition, Mr. Fitzsimon's residence, a two story dwelling, is also located on the northern portion of the site property.

The southern portion of the of the site is currently inactive. This area is characterized by areas of fill, which primarily consists of foundry sand from the Abex Corporation. This area is surrounded by wooded wetlands to the south and west, railroad tracks to the north, and wooded areas to the east. The fill area contains very large empty steel storage tanks, scrap metal, and partially buried drums which are located along the southern property boundary. The landfilling of the site has caused the elevation of the site's surface to extend ten feet above the surrounding terrain. Additionally, it has been reported that a portion of the wetland areas to the west and south were filled as part of site operations.

The landfilling activities at the site occurred from 1955 to 1976, during which time the site received a wide variety of wastes including U.S. Army artillery shell casings, household refuse, metal slag, fly ash, foundry sand, and junked vehicles. Prior to 1985, several hundred rusted, leaking 55-gallon drums were piled in several places, some of which were lying in impounded water of the wetlands to the south of the railroad tracks. The drums originated from the U.S. Army, Chevron Oil, and unknown illegal dumping. An emergency drum removal was performed in 1985 by the EPA during which approximately 560 drums were removed from the site. Analytical testing of the drums' contents indicated the presence of chlorinated and nonchlorinated solvents, high total organic carbon solids with low flashpoints, PCBs, and waste oils. Partially buried drums are reported to still be visible at the site.

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In November 1983, a Phase I Preliminary Investigation (PHI) was performed at the site on behalf of the NYSDEC by RCRA Research, Inc. As part of this investigation, sampling of on-site drums, soils, surface water, sediments, and groundwater was performed. Analytical results indicated that the sites soils, surface water/sediments, and groundwater had been impacted by organic compounds (ie. benzene, toluene, and xylene) and inorganic constituents (ie. cadmium, lead, copper, and zinc). The PHI report recommended that a Phase II Investigation be performed at the site to further explore the site's effects on the surrounding area.

A Phase II Investigation (PHII) Report was prepared for the NYSDEC in March 1992. During this investigation groundwater, surface water, sediment, leachate/waste and soil samples were collected at the site. Analytical results of soil/leachate/waste samples indicated the presence of PCBs (810 ppb), cyanide (5,300 ppb), arsenic (32,100 ppb), barium (145,000 ppb), cadmium (38.4 ppb), chromium (60,300 ppb), cobalt (162,000 ppb), copper (45,400 ppb), lead (3,430,000 ppb), nickel (118,000 ppb), and zinc (231,000 ppb). Results of the surface water/sediment (SW/SED) samples collected at the site did not indicate that an observed release has occurred from the site. Additionally, results of the SW/SED samples collected from twithin the wetlands adjacent to the site's western border did not indicate elevated levels of constituents as compared to background conditions. Analytical results of the unfiltered groundwater samples collected during the PHII investigation indicates that an observed release to groundwater has occurred from the site of arsenic (29.4 ppb), cadmium (38 ppb), chromium (217 ppb), copper (260 ppb), lead (364 ppb), nickel (205 ppb), and zinc (1,320 ppb). All of the analytical data from the 1992 PHII are U.S. EPA Contract Laboratory Program (CLP) equivalent without an appropriate data validation.

Attachment 1 provides a description of the wastes sources located on the GRD Site.

The overall site score for the GRD Site is 5.85. The following are the pathway descriptions which result in the determination of the site score.

> Groundwater Pathway - The groundwater pathway score is 4.35. The GRD Site is located in the Central Lowlands (Eastern Lake Section) Physiographic Province. The site soils vary, but all primarily consist of silty clay loams with a hydraulic conductivity of approximately 10^{-6} centimeters/second (cm/sec). Based upon soil borings from the Phase II Investigation, fill material exists from 3-18 feet below existing grade. Underlying the fill material are various layers of silty sand, silty clay, and clay, followed by rock fragments and silt which overlie the bedrock. The depth to bedrock at the site varies from 11.2 - 25.4 feet below the ground surface. The bedrock at the site consists of Lockport Dolomite of the Lockport Group with an associated hydraulic conductivity of 10^{-6} cm/sec. During the installation of the site's groundwater monitoring wells, groundwater was encountered at depths of 7-15 feet and the groundwater flows towards the east-northeast. Therefore, based upon the results of the soil borings from the PHII Investigation, there is an observed release, via direct observation, to groundwater of PCBs, cyanide, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, and zinc as the lower portion of the landfill is in direct contact with the groundwater table.
>
> Analytical results of the unfiltered groundwater samples collected during the PHII Investigation indicates that an observed release to groundwater has occurred from the site of arsenic (29.4 ppb), cadmium (38 ppb), chromium (217 ppb), copper (260 ppb), lead (364 ppb), nickel (205 ppb), and zinc (1,320 ppb). The population within four miles of the site relies primarily on surface water for potable purposes. There is information to document that there is one private drinking water well

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within the four mile target distance limit (0 - ¼ mile, 3; ¼ - ½ mile, 0; ½ - 1 mile, 0; 1 - 2 miles, 0; 2 - 3 miles, 0; 3 - 4 miles, 0). A NYSDEC designated wellhead protection area is not located within four miles of the GRD site.

Surface Water Pathway - The surface water pathway score is 10.67. Surface water runoff from the northern portion of site flows west 0.8 miles through an isolated wetland adjacent to the site; while runoff from the southern site area flows east to an unnamed isolated pond 0.38 miles downgradient from the site.

An observed release of PCBs by direct observation to the surface water pathway has occurred at the site. In 1985 several hundred rusted, leaking 55-gallon drums were piled in several places, some of which were lying in impounded water of the wetlands to the south of the railroad tracks. The drums originated from the U.S. Army, Chevron Oil, and unknown illegal dumping. An emergency drum removal was performed in 1985 by the EPA during which approximately 560 drums were removed from the site. Analytical testing of the drums' contents indicated the presence of chlorinated and nonchlorinated solvents, high total organic carbon solids with low flashpoints, PCBs, and waste oils. Partially buried drums are reported to still be visible at the site.

As part of the PHII investigation, surface water/sediment samples were collected from the wetland bordering the western portion the site. Analytical results of these samples did not indicate that an observed release via chemical analysis has occurred from the site to the surface water pathway. Additionally, results of the surface water/sediment samples collected from within the wetlands adjacent to the site's western border did not indicate elevated levels of constituents as compared to background conditions.

Actually contaminated surface water targets could not be documented even though there was an observed release to surface water via direct observation. A perimeter or frontage of wetlands greater than 0.1 mile could not be documented for the drums lying in the impounded water. the area which had

There are no drinking water intakes or fisheries located along the surface water pathway. There are a total of 1.89 miles of wetlands frontage located along the surface water pathway. The GRD Site is located outside the 500-year floodplain.

Soil Exposure Pathway - The soil exposure pathway score is 0.04. Analytical results of soil/leachate/waste samples indicated the presence of PCBs (810 ppb), cyanide (5,300 ppb), arsenic (32,100 ppb), barium (145,000 ppb), chromium (60,300 ppb), cobalt (162,000 ppb), copper (45,400 ppb), lead (3,430,000 ppb), nickel (118,000 ppb), and zinc (231,000 ppb).

There are no schools or day care facilities located on or within 200 feet of observed soil contamination. There is one residence located on the site property, however, it is not located on or within 200 feet of observed contamination. There are no known terrestrial sensitive environments on or within 200 feet of observed soil contamination. There are no workers at the site as the site is currently inactive.

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Air Pathway - The air pathway score is 2.04. There is no available documentation which indicates that a release of contaminants to air from the site has occurred. There are approximately 43,091 people within four miles of the site (on-site, 3; 0 - ¼ mile, 334; ¼ -½ mile, 1,308; ½ - 1.0 mile, 3,636; 1.0 - 2.0 miles, 9,615; 2.0 - 3.0 miles, 14,333; 3.0 - 4.0 miles, 13,862). In addition, there are approximately 237 acres of wetlands within one mile of the site (0 - ¼ mile, 43 acres; ¼ - ½ mile, 82 acres; ½ - 1.0 mile, 112 acres).

Summary and Recommendation

There is adequate information regarding the Golden Road Disposal Site to determine the HRS site score of 5.85. An observed release has occurred to the groundwater pathway from the site based upon both direct observation and chemical analysis. However, the population within four miles of the site primarily relies on surface water resources for their potable water. An observed release of PCBs via direct observation can be scored to the surface water pathway. In addition, results of the surface water/sediment samples collected from within the wetland adjacent to the site's western border during the PHII investigation did not indicate elevated levels of constituents as compared to background conditions. Analytical results of soil/waste/leachate samples collected from the GRD Site indicated elevated levels of PCBs and inorganic constituents, however, there are no schools, day care facilities, or terrestrial sensitive environments located on or within 200 feet of the observed soil contamination. There is one residence located on the site property, however, it is not located on or within 200 feet of observed contamination. There is no documentation to determine whether or not a release of contaminants to the air has occurred.

Therefore, **No Further Remedial Action Planned (NFRAP)** is recommended for the site. The following is the definition of NFRAP: To best of the EPA's knowledge, Superfund has completed its assessment at the Golden Road Disposal Site, and has determined that no further steps to list the site on the NPL will be taken unless information indicating that this decision was not appropriate or other considerations make a recommendation for listing appropriate at a later time. A "NFRAP" decision does not necessarily mean that there is no hazard associated with a given site; it means only that based upon available information, the location is not judged to be a potential site.

If you have any questions concerning the above, please contact me at (609)860-0100.

Very truly yours,

DAVID KAHLENBERG
SITE MANAGER

STEVEN T. MCNULTY
TASK LEADER

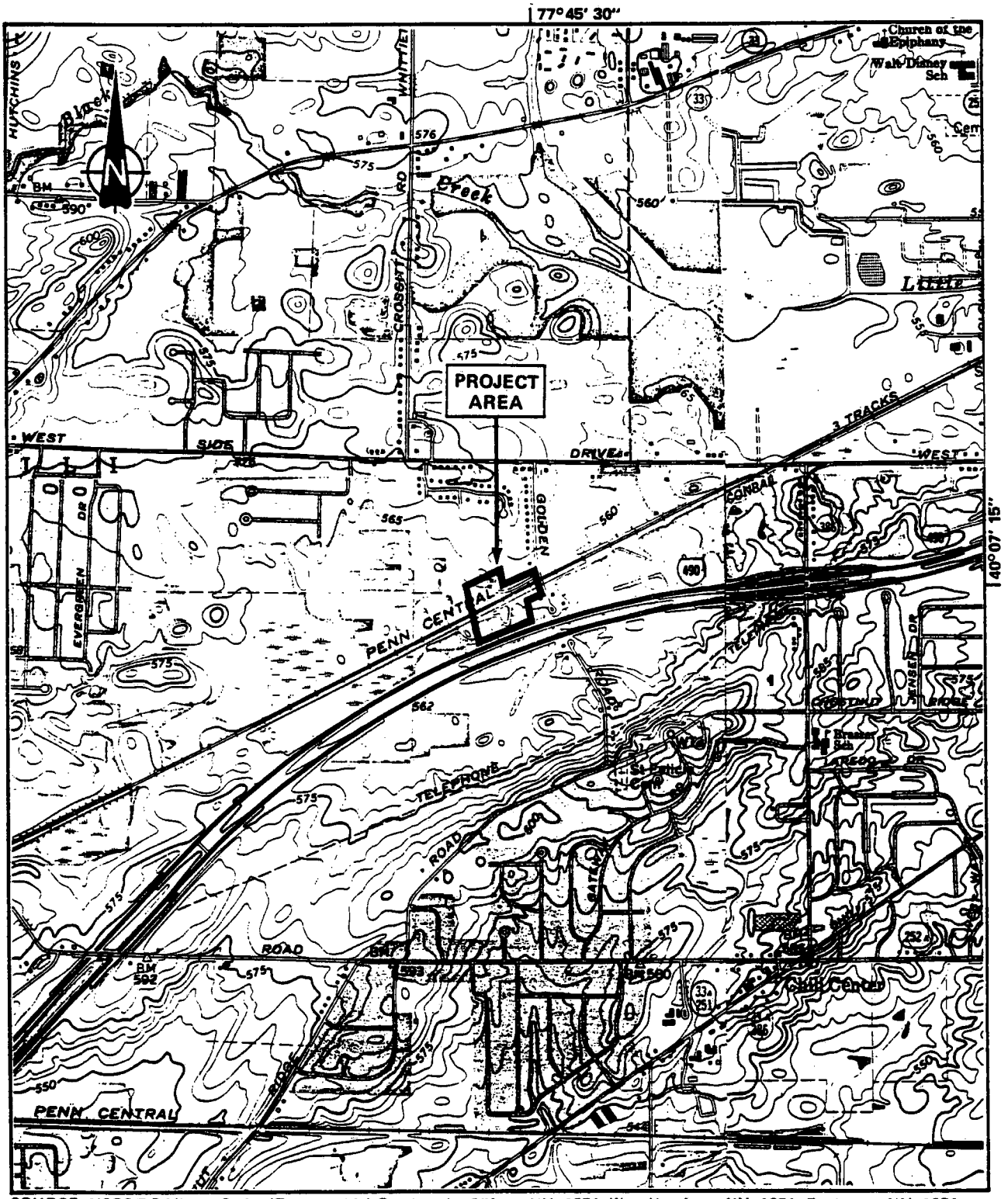
JOHN L. SPLENDORE, P.E.
WORK ASSIGNMENT MANAGER

MALCOLM PIRNIE, INC.	PROJECT NOTES

To:File	Date:October 19, 1994
From:David Kahlenberg	Project #:8003-283
Subject: Waste Source Delineation	Site Name: Golden Road Disposal Site

The Golden Road Disposal (GRD) Site is an eight acre, private parcel of land, that was used as a fill area. The landfilling activities at the site occurred from 1955 to 1976, during which time the site received a wide variety of wastes including U.S. Army artillery shell casings, household refuse, metal slag, fly ash, foundry sand, and junked vehicles. Prior to 1985, several hundred rusted, leaking 55-gallon drums were piled in several places, some of which were lying in impounded water of the wetlands to the south of the railroad tracks. The drums originated from the U.S. Army, Chevron Oil, and unknown illegal dumping. An emergency drum removal was performed in 1985 by the EPA during which approximately 560 drums were removed from the site. Environmental testing of the drums contents indicated the presence of chlorinated and nonchlorinated solvent, high total organic carbon organic solids with low flashpoints, PCBs, and waste oils.

Analytical results of soil/leachate/waste samples collected at the site during the NYSDEC Phase II Investigation indicated the presence of PCBs (810 ppb), cyanide (5,300 ppb), arsenic (32,100 ppb), barium (145,000 ppb), cadmium (38.4 ppb), chromium (60,300 ppb), cobalt (162,000 ppb), copper (45,400 ppb), lead (3,430,000 ppb), nickel (118,000 ppb), and zinc (231,000 ppb).



SOURCE: USGS 7.5 Minute Series (Topographic) Quadrangle: Clifton, NY, 1971; West Henrietta, NY, 1971; Rochester, NY, 1971; Spencerport, NY, 1971; All (Photorevised 1978).

SCALE 1:24,000

0 .5 1 Mile

0 .5 1 Kilometer

Figure 1–1
LOCATION MAP: GOLDEN ROAD DISPOSAL SITE

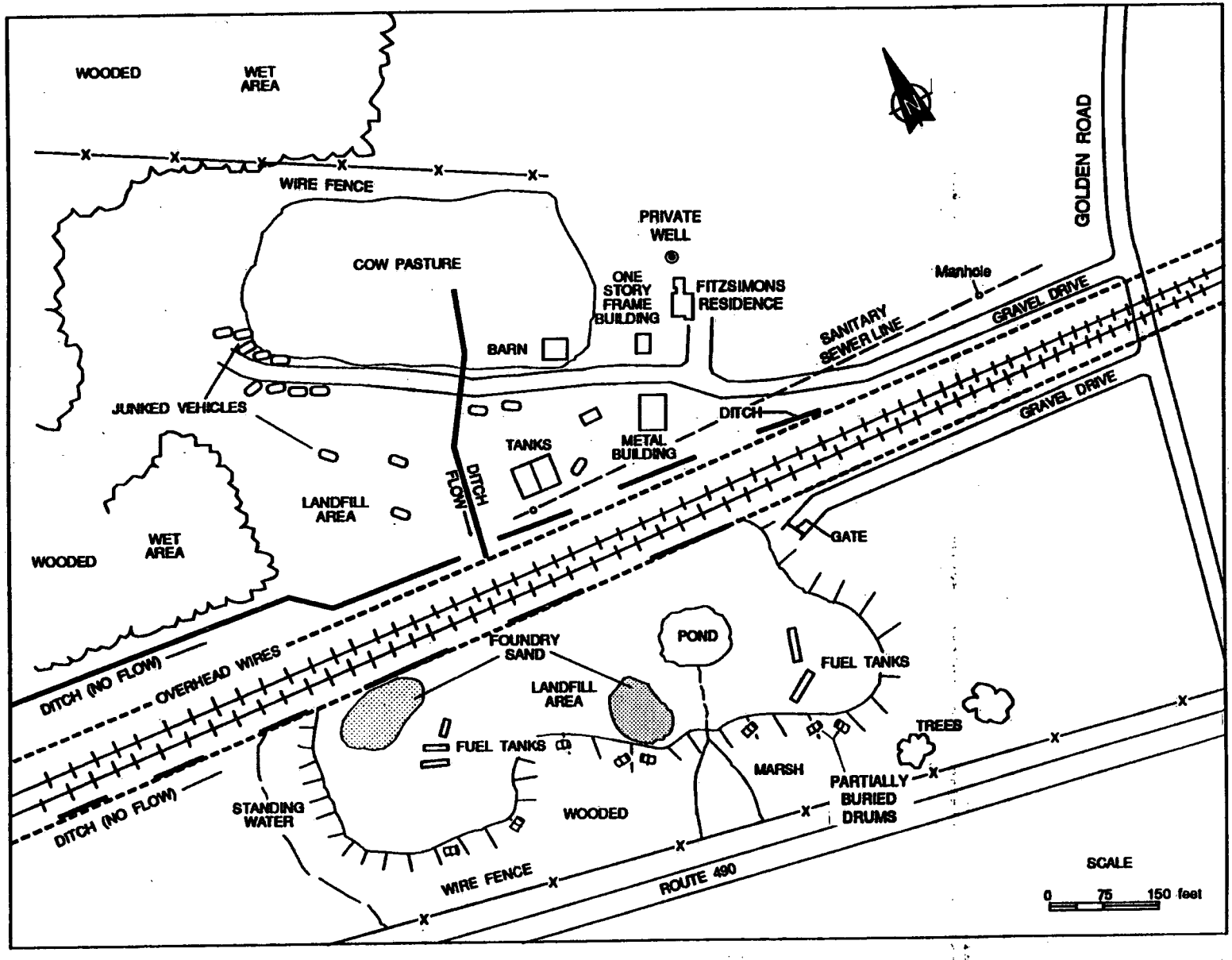


Figure 1-2
SITE SKETCH OF GOLDEN ROAD DISPOSAL SITE

HRS DOCUMENTATION RECORD
Golden Road Disposal - 11/15/94

1. Site Name: Golden Road Disposal
   (as entered in CERCLIS)

2. Site CERCLIS Number: NYD980780753

3. Site Reviewer: David Kahlenberg

4. Date: October 20, 1994

5. Site Location: Town of Chili, Monroe County, New York
   (City/County,State)

6. Congressional District:

7. Site Coordinates: Single

   Latitude: 43 07'08.0" Longitude: 077 45'45.0"

	Score
Ground Water Migration Pathway Score (Sgw)	4.35
Surface Water Migration Pathway Score (Ssw)	10.67
Soil Exposure Pathway Score (Ss)	0.04
Air Migration Pathway Score (Sa)	2.04
Site Score	5.85

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Landfill

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	Landfill
b. Source Type	Landfill
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal) | Source Area (ft2)	0.00 | 348480.00
e. Source Volume/Area Value	1.02E+02
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	1.02E+02

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Arsenic	< 2	YES	3.2E+01	ppm
Barium	< 2	NO	1.4E+02	ppm
Cadmium	< 2	YES	3.8E-02	ppm
Chromium	< 2	YES	6.0E+01	ppm
Cobalt	< 2	YES	1.6E+02	ppm
Copper	< 2	YES	4.5E+01	ppm
Cyanide	< 2	NO	5.3E+00	ppm
Lead	< 2	YES	3.4E+03	ppm
Nickel	< 2	YES	1.2E+02	ppm
PCBs	< 2	NO	8.1E-01	ppm
Zinc	< 2	YES	2.3E+02	ppm

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Landfill	GW-SW-SE-A	1.02E+02	0.00E+00	1.02E+02

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E+04	100	32
SW: Overland Flow, DW	Tox./Persistence	1.00E+04	100	32
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	5.00E+08	100	320
SW: Overland Flow, Env	Etox./Persis./Bioacc.	5.00E+08	100	320
SW: GW to SW, DW	Tox./Persistence	1.00E+04	100	32
SW: GW to SW, HFC	Tox./Persis./Bioacc.	5.00E+07	100	180
SW: GW to SW, Env	Etox./Persis./Bioacc.	5.00E+06	100	100
Soil Exposure:Resident	Toxicity	1.00E+04	10	18
Soil Exposure: Nearby	Toxicity	1.00E+04	10	18
Air	Toxicity/Mobility	2.00E+02	100	10

* Hazardous Waste Quantity Factor Values
** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

GROUND WATER MIGRATION PATHWAY SCORESHEET
Golden Road Disposal - 11/11/94

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Aquifer X		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Well	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	4.00E-01
8d. Population (lines 8a+8b+8c)	**	4.00E-01
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	2.04E+01
12. Targets (including overlaying aquifers)	**	2.04E+01
13. Aquifer Score	100	4.35
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	4.35

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	550
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	2
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	270
3. Potential to Release by Flood		
3a. Containment (Flood)	10	0
3b. Flood Frequency	50	0
3c. Potential to Release by Flood (lines 3a x 3b)	500	0
4. Potential to Release (lines 2d+3c)	500	270
5. Likelihood of Release	550	550
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	100
8. Waste Characteristics	100	32
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	100
17. Waste Characteristics	1000	320
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	0.00E+00
19d. Population (lines 19a+19b+19c)	**	0.00E+00
20. Targets (lines 18+19d)	**	0.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	100
25. Waste Characteristics	1000	320
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	5.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	5.00E+00
27. Targets (line 26d)	**	5.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	10.67
29. WATERSHED SCORE	100	10.67
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	10.67

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Aquifer X		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+04
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	32
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	5.00E+07
14. Hazardous Waste Quantity	*	100
15. Waste Characteristics	1000	180
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Golden Road Disposal - 11/11/94

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+06
22. Hazardous Waste Quantity	*	100
23. Waste Characteristics	1000	100
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SOIL EXPOSURE PATHWAY SCORESHEET
Golden Road Disposal - 11/11/94

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets -		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

SOIL EXPOSURE PATHWAY SCORESHEET
Golden Road Disposal - 11/11/94

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	1.00E+01
13. Area of Contamination	100	6.00E+01
14. Likelihood of Exposure	500	2.50E+01
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	7.00E+00
20. Targets (lines 18+19)	**	8.00E+00
21. NEARBY POPULATION THREAT SCORE	**	3.60E+03
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.04

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

AIR PATHWAY SCORESHEET
Golden Road Disposal - 11/11/94

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	220
2b. Particulate Potential to Release	500	280
2c. Potential to Release	500	280
3. Likelihood of Release	550	280
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+02
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	10
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	3.90E+01
8d. Population (lines 8a+8b+8c)	**	3.90E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	1.00E+00
10c. Sens. Environments(lines 10a+10b)	***	1.00E+00
11. Targets (lines 7+8d+9+10c)	**	6.00E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	2.04E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.